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TITLE: FLAME-RETARDANT MODACRYLIC CONJUGATE YARN

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INVENTOR-INFORMATION:

NAME

ONO, MASAHIKO

COUNTRY

YAMAMOTO, TOSHIHIRO

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ABSTRACT:

PURPOSE: To obtain the title yarn having flame retardance and latent crimp developing properties, wherein both bonded components A and B comprise acrylonitrile and a halogen-containing monomer and a polymer of the component A contains more a vinyl-based monomer than a polymer of the component B.

CONSTITUTION: The aimed yarn wherein both bonded components A and B are polymers comprising  $\geq 40\text{wt.\%}$  acrylonitrile, 20-60wt.% halogen-containing monomer and 0-15 wt.%, preferably 0.5-10wt.% vinyl monomer (e.g. (meth)acrylic acid or vinyl acetate) and the polymer of the component A contains  $\geq 1\text{wt.\%}$ , preferably  $\geq 2\text{wt.\%}$  vinyl-based monomer than the monomer of the component B. Both the glymers of the components A and B preferably contain especially 1-4wt.% sulfonic acid-containing monomer among the vinyl-based monomer with respect to dyeability and coagulating properties during spinning.

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